



GE  
159 Plastics Avenue  
Pittsfield, MA 01201  
USA

*Transmitted via Overnight Delivery*

October 25, 2005

Mr. Dean Tagliaferro  
EPA Project Coordinator  
U.S. Environmental Protection Agency  
c/o Weston Solutions, Inc.  
10 Lyman Street, Suite 2  
Pittsfield, MA 01201

Ms. Susan Steenstrup  
State Project Coordinator  
Bureau of Waste Site Cleanup  
Department of Environmental Protection  
436 Dwight Street  
Springfield, MA 01103

**Re: GE-Pittsfield/Housatonic River Site (GECD900)  
Ambient Air Monitoring Data**

Dear Mr. Tagliaferro and Ms. Steenstrup:

As an addendum to General Electric's (GE's) monthly progress reports for the past few months for activities conducted by GE at the GE-Pittsfield/Housatonic River Site, attached are tables presenting the ambient air monitoring data collected through the end of September 2005 in connection with recent remediation activities at Newell Street Area I, Newell Street Area II, and Group 3 of the 1½ Mile Floodplain Properties. These data include air monitoring data for both PCBs and particulate matter. The data from Newell Street Area I, collected in August and September 2005, are provided in Tables 1-3. The data from Newell Street Area II, collected in June (pre-remediation) and August and September 2005, are provided in Tables 4 through 8. The data from Group 3 of the 1½ Mile Floodplain Properties, collected from June through September 2005, are provided in Tables 9 through 19.

Please call if you have any questions about these data.

Sincerely,

Richard W. Gates  
Remediation Project Manager

**Attachments**

V:\GE\_Pittsfield\_General\Reports and Presentations\Monthly Reports\Ambient Air Monitoring Data\EPA-DEP letter on air data.doc

cc: Tim Conway, EPA\*  
Sharon Hayes, EPA  
William Lovely, EPA  
Rose Howell, EPA\*  
Holly Inglis, EPA  
K.C. Mitkevicius, USACE  
Thomas Angus, MDEP\*  
Robert Bell, MDEP\*  
Anna Symington, MDEP\*  
Nancy E. Harper, MA AG  
Susan Peterson, CT DEP  
Field Supervisor, USFWS, DOI  
Kenneth Finkelstein, Ph.D., NOAA

Dale Young, MA EOE  
Mayor James Ruberto, City of Pittsfield  
Thomas Hickey, Director,  
Pittsfield Economic Development Authority  
Linda Palmieri, Weston  
Michael Carroll GE\*  
Andrew Silber, GE\*  
Rod McLaren, GE  
John Novotny, GE  
James Nuss, BBL  
James Bieke, Goodwin Procter  
Public Information Repositories  
GE Internal Repository

(\* without attachments)

## ***Tables***

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## Newell Street Area I

**BBL**<sup>®</sup>  
BLASLAND, BOUCK & LEE, INC.  
*engineers, scientists, economists*

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**TABLE 1  
 AMBIENT AIR PCB DATA - AUGUST 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 NEWELL STREET AREA I  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

08/18 - 08/19/05	0.0056	0.0071	0.0031	0.0034	0.0019
Notification Level	0.05	0.05	0.05	0.05	0.05

**TABLE 2**  
**AMBIENT AIR PARTICULATE MATTER DATA - AUGUST 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**NEWELL STREET AREA I**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Location	SW of J9-23-13	NE of J9-23-13	SE of J9-23-13	Time	Wind Direction
08/15/05	(A) SW of J9-23-13	0.026	0.044*		11:30	Variable
	(B) NE of J9-23-13	0.014*			11:30	
	(C) SE of J9-23-13	0.013			11:30	
08/16/05	(A) SW of J9-23-13	0.039	0.024*		11:45	Variable
	(B) NE of J9-23-13	0.017*			11:45	
	(C) SE of J9-23-13	0.026			11:30	
08/17/05	(A) SW of J9-23-13	0.034	0.017*		11:15	WNW
	(B) NE of J9-23-13	0.012*			11:00	
	(C) SE of J9-23-13	0.012			11:00	
08/18/05	(A) SW of J9-23-13	0.020	0.058*		12:00	Variable
	(B) NE of J9-23-13	0.009*			11:45	
	(C) SE of J9-23-13	0.012			11:45	
08/19/05	(A) SW of J9-23-13	0.025	0.023*		9:45 <sup>2</sup>	Variable
	(B) NE of J9-23-13	0.010*			9:45 <sup>2</sup>	
	(C) SE of J9-23-13	0.017			10:00 <sup>2</sup>	
08/22/05	(A) SW of J9-23-13	0.030	0.032*		10:30	NNW
	(B) NE of J9-23-13	0.014*			11:00	
	(C) SE of J9-23-13	0.016			10:30	
08/23/05	(A) SW of J9-23-13	0.024	0.033*		10:30	WNW
	(B) NE of J9-23-13	0.005*			10:00	
	(C) SE of J9-23-13	0.011			10:30	
Notification Level		0.120				

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this area during August 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>2</sup> Sampling period was shortened due to precipitation/threat of precipitation.

**TABLE 3**  
**AMBIENT AIR PARTICULATE MATTER DATA - SEPTEMBER 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**NEWELL STREET AREA I**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Location	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Time	Wind Direction
09/01/05	(A) SW of J9-23-13	0.029	0.016*	12:00	WNW
	(B) NE of J9-23-13	0.021*		12:00	
	(C) SE of J9-23-13	0.038		12:00	
09/02/05	(A) SW of J9-23-13	0.026	0.015*	11:00	SSW, WSW
	(B) NE of J9-23-13	0.012*		11:00	
	(C) SE of J9-23-13	0.028		11:00	
09/06/05	(A) SW of J9-23-13	0.017	0.006*	11:45	Calm
	(B) NE of J9-23-13	0.008*		11:45	
	(C) SE of J9-23-13	0.020		11:45	
09/07/05	(A) SW of J9-23-13	0.020	0.005*	11:00	Variable
	(B) NE of J9-23-13	0.012*		11:00	
	(C) SE of J9-23-13	0.026		11:00	
09/08/05	(A) SW of J9-23-13	0.032	0.019*	11:45	WSW
	(B) NE of J9-23-13	0.018*		9:30 <sup>2</sup>	
	(C) SE of J9-23-13	0.040		11:30	
09/28/05	(E) SW of J9-23-20	0.018	0.009*	10:45	SSW, Variable
	(G) NW of J9-23-20	0.013		10:30	
	(H) SE of J9-23-20	0.060		10:45	
	(I) NE of J9-23-20	0.005*		10:00	
09/30/05	(E) SW of J9-23-20	0.008	0.003*	10:45	NNW
	(G) NW of J9-23-20	0.005*		10:00	
	(H) SE of J9-23-20	0.017		10:30	
	(I) NE of J9-23-20	0.013		10:00	
Notification Level		0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this area during September 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Newell Street Area I Phase I remediation completed September 8, 2005.

Background monitoring location east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>2</sup> Sampling period was shortened due to instrument malfunction (dead battery).

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## Newell Street Area II

**TABLE 4  
AMBIENT AIR PCB DATA - JUNE 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
NEWELL STREET AREA II  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Event	PCB 1	PCB 2	PCB 3	PCB 4	PCB 5	PCB 6
06/09 - 06/10/05 <sup>1</sup>	0.0031	0.0024	0.0047	0.0031	0.0031	0.0090
06/10 - 06/11/05 <sup>1</sup>	0.0016	0.0013	NA <sup>2</sup>	0.0026	0.0025	0.0187
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

<sup>1</sup> These sampling events consisted of the pre-remediation baseline sampling conducted prior to the initiation of remediation activities.

<sup>2</sup> Data not available. Sample did not meet the QA/QC criteria of 24 hours +/- 30 minutes and was not analyzed.



**TABLE 5**  
**AMBIENT AIR PCB DATA - AUGUST 2005**

**PCB AMBIENT AIR CONCENTRATIONS**  
**NEWELL STREET AREA II**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

08/16 - 08/17/05	0.0042	0.0042	0.0139	0.0153	0.0088 <sup>1</sup>	0.0033
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

<sup>1</sup> The associated surrogate recoveries were outside of the control limits. The sample results are considered usable.

**TABLE 6**  
**AMBIENT AIR PARTICULATE MATTER DATA - AUGUST 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**NEWELL STREET AREA II**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sample Date	Sample Location	Sample Concentration (µg/m³)	Sample Concentration (µg/m³)	Sample Concentration (µg/m³)	Sample Concentration (µg/m³)
08/02/05 <sup>2</sup>	NN1 - Northwest	0.042	0.013*	4:30 <sup>3</sup>	WNW
	NN2 - Southwest	0.026		4:30 <sup>3</sup>	
	NN3 - Southeast	0.032*		4:15 <sup>3</sup>	
	NN4 - Northeast	0.020		4:15 <sup>3</sup>	
08/03/05 <sup>2</sup>	NN1 - Northwest	0.028	0.032*	8:30 <sup>3</sup>	WNW
	NN2 - Southwest	0.019		11:15	
	NN3 - Southeast	0.036*		11:15	
	NN4 - Northeast	0.056		11:15	
08/04/05 <sup>2</sup>	NN1 - Northwest	0.025	0.051*	11:15	Variable
	NN2 - Southwest	0.022		11:15	
	NN3 - Southeast	0.019*		10:30	
	NN4 - Northeast	0.068		11:15	
08/05/05 <sup>2</sup>	NN1 - Northwest	0.060	0.111*	10:45	WNW
	NN2 - Southwest	0.040		10:45	
	NN3 - Southeast	0.015*		10:45	
	NN4 - Northeast	0.091		10:45	
08/08/05 <sup>2</sup>	NN1 - Northwest	0.056	0.064*	11:00	SSW
	NN2 - Southwest	0.037		10:45	
	NN3 - Southeast	0.073*		10:30	
	NN4 - Northeast	0.047		10:45	
08/09/05 <sup>2</sup>	NN1 - Northwest	0.038	0.055*	11:30	SSW
	NN2 - Southwest	0.025		11:30	
	NN3 - Southeast	0.052*		11:00	
	NN4 - Northeast	0.034		11:15	
08/10/05	NN1 - Northwest	0.034	0.011*	11:45	Variable, SSW
	NN2 - Southwest	0.023		11:30	
	NN3 - Southeast	0.035*		11:30	
	NN4 - Northeast	0.046		11:30	
08/11/05	NN1 - Northwest	0.044	0.069*	11:30	WNW
	NN2 - Southwest	0.025		11:30	
	NN3 - Southeast	0.049*		11:15	
	NN4 - Northeast	0.096		11:15	
08/12/05	NN1 - Northwest	0.029	0.031*	10:45	Variable, SSW
	NN2 - Southwest	0.018		10:30	
	NN3 - Southeast	0.032*		10:45	
	NN4 - Northeast	0.105		10:30	
08/15/05	NN1 - Northwest	0.029	0.044*	11:15	Variable
	NN2 - Southwest	0.036		11:15	
	NN3 - Southeast	0.019*		11:00	
	NN4 - Northeast	0.045		11:00	
08/16/05	NN1 - Northwest	0.040	0.024*	11:15	Variable
	NN2 - Southwest	0.052		11:15	
	NN3 - Southeast	0.024*		11:00	
	NN4 - Northeast	0.077		10:45	
08/17/05	NN1 - Northwest	0.053	0.017*	11:15	WNW
	NN2 - Southwest	0.057		11:15	
	NN3 - Southeast	0.013*		11:15	
	NN4 - Northeast	0.056		11:00	
08/18/05	NN1 - Northwest	0.039	0.058*	11:00	Variable
	NN2 - Southwest	0.051		11:00	
	NN3 - Southeast	0.018*		11:00	
	NN4 - Northeast	0.020		11:45	

**TABLE 6**  
**AMBIENT AIR PARTICULATE MATTER DATA - AUGUST 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**NEWELL STREET AREA II**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date	Sampling Location	PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	Sampling Time (hr:min)	Predominant Wind Direction
08/19/05	NN1 - Northwest	0.038	0.023*	10:00 <sup>5</sup>	Variable
	NN2 - Southwest	0.052		10:00 <sup>5</sup>	
	NN3 - Southeast	0.023*		9:45 <sup>5</sup>	
	NN4 - Northeast	0.026		9:45 <sup>5</sup>	
08/22/05	NN1 - Northwest	0.016	0.032*	10:30	NNW
	NN2 - Southwest	0.055		10:30	
	NN3 - Southeast	0.023*		11:00	
	NN4 - Northeast	0.034		10:30	
08/23/05	NN1 - Northwest	0.005	0.033*	10:00	WNW
	NN2 - Southwest	0.051		10:00	
	NN3 - Southeast	0.023*		10:00	
	NN4 - Northeast	0.035		10:00	
08/24/05	NN1 - Northwest	0.005	0.006*	11:45	NNW
	NN2 - Southwest	0.050		11:45	
	NN3 - Southeast	0.025*		11:45	
	NN4 - Northeast	0.040		11:45	
08/25/05	NN1 - Northwest	0.017	0.027*	8:54 <sup>6</sup>	NNE
	NN2 - Southwest	0.057		11:30	
	NN3 - Southeast	0.018*		11:45	
	NN4 - Northeast	0.051		11:15	
08/26/05	NN1 - Northwest	0.012	0.044*	11:24	Variable
	NN2 - Southwest	0.054		11:15	
	NN3 - Southeast	0.010*		11:00	
	NN4 - Northeast	0.051		11:00	
Notification Level		0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this area during August 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>2</sup> Sampling performed during landclearing activities, prior to excavation.

<sup>3</sup> Sampling period shortened due to mid-day notification of need to start sampling program.

<sup>4</sup> Sampling period was shortened due to instrument malfunction (dead battery).

<sup>5</sup> Sampling period was shortened due to precipitation/threat of precipitation.

<sup>6</sup> Sampling period was shortened due to instrument malfunction.

**TABLE 7  
 AMBIENT AIR PCB DATA - SEPTEMBER 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 NEWELL STREET AREA II  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Period	PCB 1	PCB 2	PCB 3	PCB 4	PCB 5	PCB 6
09/15 - 09/16/05	0.0080	0.0118	0.0156	0.0059	0.0059	0.0029
09/27 - 09/28/05	0.0036 <sup>1</sup>	0.0026 <sup>1</sup>	0.0288 <sup>1</sup>	0.0021 <sup>1</sup>	0.0016 <sup>1</sup>	ND (<0.0003) <sup>1</sup>
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

ND - Non-Detect

<sup>1</sup> PCBs were detected in the field blank.

**TABLE 8**  
**AMBIENT AIR PARTICULATE MATTER DATA - SEPTEMBER 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**NEWELL STREET AREA II**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampling Location	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Time	Wind
09/01/05	NN1 - Northwest	0.025	0.016*	12:00	WNW
	NN2 - Southwest	0.080		12:00	
	NN3 - Southeast	0.033*		12:00	
	NN4 - Northeast	0.046		12:00	
09/02/05	NN1 - Northwest	0.014	0.015*	11:00	SSW, WSW
	NN2 - Southwest	0.092		11:00	
	NN3 - Southeast	0.013*		11:15	
	NN4 - Northeast	0.030		5:30 <sup>2</sup>	
09/06/05	NN1 - Northwest	0.009	0.006*	12:00	Calm
	NN2 - Southwest	0.008		8:30 <sup>3</sup>	
	NN3 - Southeast	0.019*		11:45	
	NN4 - Northeast	0.020		11:45	
09/07/05	NN1 - Northwest	0.012	0.005*	11:00	Variable
	NN2 - Southwest	0.017		11:00	
	NN3 - Southeast	0.015*		11:00	
	NN4 - Northeast	0.027		11:00	
09/08/05	NN1 - Northwest	0.014	0.019*	12:00	WSW
	NN2 - Southwest	0.031		12:00	
	NN3 - Southeast	0.019*		12:00	
	NN4 - Northeast	0.036		11:45	
09/09/05	NN1 - Northwest	0.011	0.007*	12:00	NNW
	NN2 - Southwest	0.015		10:45	
	NN3 - Southeast	0.018*		12:00	
	NN4 - Northeast	0.033		11:45	
09/12/05	NN1 - Northwest	0.044	0.037*	10:45	WNW
	NN2 - Southwest	0.054		10:45	
	NN3 - Southeast	0.026*		10:45	
	NN4 - Northeast	0.106		10:45	
09/13/05	NN1 - Northwest	0.094 <sup>4</sup>	0.099 <sup>3</sup>	11:15	Variable
	NN2 - Southwest	0.120 <sup>4</sup>		11:15	
	NN3 - Southeast	0.082 <sup>4</sup>		11:00	
	NN4 - Northeast	NA <sup>5</sup>		NA <sup>5</sup>	
09/14/05	NN1 - Northwest	0.056	0.056*	10:30	SSW
	NN2 - Southwest	0.076		10:30	
	NN3 - Southeast	0.045*		10:45	
	NN4 - Northeast	NA <sup>5</sup>		NA <sup>5</sup>	

**TABLE 8**  
**AMBIENT AIR PARTICULATE MATTER DATA - SEPTEMBER 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**NEWELL STREET AREA II**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampling Station	Average PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	Sampling Period (hh:mm)	Predominant Wind Direction
09/19/05	NN1 - Northwest	0.015 <sup>6</sup>	0.009 <sup>4,5</sup>	9:15 <sup>6</sup>	WNW, NNW
	NN2 - Southwest	0.018 <sup>6</sup>		9:15 <sup>6</sup>	
	NN3 - Southeast	0.020 <sup>6</sup>		6:45 <sup>7</sup>	
	NN4 - Northeast	0.014 <sup>6</sup>		9:15 <sup>6</sup>	
	Notification Level	0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this area during September 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

NA - Not Available

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>2</sup> Sampling period was shortened to delete invalid readings caused by interference from a spider.

<sup>3</sup> Sampling period was shortened due to instrument malfunction.

<sup>4</sup> Instrument reading is biased high due to high humidity levels and foggy conditions.

<sup>5</sup> Sampling data are not available due to equipment failure.

<sup>6</sup> Sampling data were modified to delete invalid recordings due to morning fog.

<sup>7</sup> Sampling period was shortened due to morning fog and equipment malfunction.

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## **1 ½ Mile Floodplain Properties**

**TABLE 9**  
**AMBIENT AIR PCB DATA (GROUPS 3A & 3B) - JUNE 2005**

**PCB AMBIENT AIR CONCENTRATIONS**  
**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Period	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
06/22 - 06/23/05 <sup>1</sup>	0.0010	0.0010	0.0010	0.0030	0.0027 <sup>2</sup>	0.0009
06/24 - 06/25/05 <sup>1</sup>	0.0023	0.0024	0.0022	0.0018	0.0021	0.0018
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

<sup>1</sup> These sampling events consisted of the pre-remediation baseline sampling conducted prior to the initiation of remediation activities.

<sup>2</sup> Data are reported for informational purposes only. The sampling period did not meet the QA/QC criteria of 24 hours +/- 30 minutes due to a power supply interruption.



**TABLE 10**  
**AMBIENT AIR PARTICULATE MATTER (GROUP 3A) - JUNE 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Monitoring Location	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Time of Day	Wind Direction
06/27/05	3A-1	0.050*	0.057 <sup>2</sup>	12:00	Variable
	3A-2	0.165 <sup>2</sup>		12:00	
	3A-3	0.136 <sup>2</sup>		11:45	
06/30/05	3A-1	0.045*	0.029*	10:15	Calm, Variable
	3A-2	0.024		10:15	
	3A-3	0.040		10:00	
Notification Level		0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this group of properties during June 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location at 15 Longfellow Avenue in Pittsfield.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>2</sup> Sampling data are biased high due to very high humidity levels particularly in the AM and early PM.

**TABLE 11  
 AMBIENT AIR PCB DATA (GROUP 3A) - JULY 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Period	PCB 1	PCB 2	PCB 3	PCB 4	PCB 5
07/07 - 07/08/05	0.0006	0.0034	NA <sup>1</sup>	0.0004	0.0004 <sup>2</sup>
Notification Level	0.05	0.05	0.05	0.05	0.05

<sup>1</sup> Not Available - sample was not collected due to breakage of PUF glassware during shipment from the laboratory.

<sup>2</sup> Data are reported for informational purposes only. The sampling period did not meet the QA/QC criteria of 24 hours +/- 30 minutes due to a power supply interruption.

**TABLE 12**  
**AMBIENT AIR PARTICULATE MATTER DATA (GROUP 3A) - JULY 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Location	DR-1000	DR-2000/4000	Time	Wind Direction
07/01/05	3A-1	0.045*	0.043*	10:45	Variable
	3A-2	0.034		10:45	
	3A-3	0.056		10:45	
07/05/05	3A-1	0.054*	0.022*	7:30 <sup>3</sup>	SSW, Variable
	3A-2	0.049 <sup>2</sup>		7:30 <sup>3</sup>	
	3A-3	0.071 <sup>2</sup>		7:45 <sup>3</sup>	
07/07/05	3A-1	0.007*	0.005*	10:45	Variable
	3A-2	0.005		11:00	
	3A-3	0.002		10:45	
07/11/05	3A-1	0.030*	0.019*	11:30	WNW
	3A-2	0.020		11:45	
	3A-3	0.026		11:30	
07/12/05	3A-1	0.045*	0.026*	9:45 <sup>3</sup>	Variable
	3A-2	0.030		9:45 <sup>3</sup>	
	3A-3	0.052		9:45 <sup>3</sup>	
07/13/05	3A-1	0.043*	0.029*	11:15	Calm
	3A-2	0.030		11:15	
	3A-3	0.064		11:15	
07/14/05	3A-1	0.088 <sup>4</sup>	0.028 <sup>4</sup>	11:00	WSW
	3A-2	0.068 <sup>4</sup>		11:00	
	3A-3	0.125 <sup>4</sup>		11:00	
07/15/05	3A-1	0.053*	0.016*	11:30	NNE
	3A-2	0.048		11:30	
	3A-3	0.070		11:15	
07/18/05	3A-1	0.091 <sup>4</sup>	0.021 <sup>4</sup>	9:45	Variable, SSW
	3A-2	0.064 <sup>4</sup>		9:45	
	3A-3	0.125 <sup>4</sup>		10:00	
07/19/05	3A-1	0.010 <sup>4</sup>	0.060 <sup>4</sup>	7:00 <sup>3</sup>	WSW
	3A-2	0.073 <sup>4</sup>		7:00 <sup>3</sup>	
	3A-3	0.138 <sup>4</sup>		7:15 <sup>3</sup>	
07/20/05	3A-1	0.010*	0.005*	11:15	WNW
	3A-2	0.008		11:15	
	3A-3	0.021		11:15	
Notification Level		0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this group of properties during July 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location at 15 Longfellow Avenue in Pittsfield.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

3A remediation completed on July 20, 2005

<sup>2</sup> Instrument reading is believed biased high due to high humidity and the instrument's inherent sensitivity to humidity/moisture.

<sup>3</sup> Sampling period was shortened due to precipitation/threat of precipitation.

<sup>4</sup> Instrument reading is biased high due to very high humidity levels.

**TABLE 13  
 AMBIENT AIR PCB DATA (GROUP 3B) - JULY 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Period	Residential	Non-Residential	Residential	Non-Residential	Residential
07/28 - 07/29/05	0.0030	0.0021	0.0030	0.0027	0.0009
Notification Level	0.05	0.05	0.05	0.05	0.05

**TABLE 14**  
**AMBIENT AIR PARTICULATE MATTER DATA (GROUP 3B) - JULY 2005 <sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date	Sampling Location	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Sampling Time	Predominant Wind Direction
07/21/05	3B-1	0.013	0.008*	10:15	NNW, WNW
	3B-2	0.011*		10:00	
	3B-3	0.007		10:00	
07/22/05	3B-1	0.040	0.012*	11:00	WNW
	3B-2	0.027*		11:15	
	3B-3	0.019		11:00	
07/25/05	3B-1	0.074	0.031*	8:15 <sup>2</sup>	WSW, WNW
	3B-2	0.012*		8:15 <sup>2</sup>	
	3B-3	0.030		8:00 <sup>2</sup>	
07/26/05	3B-1	0.040	0.011*	11:00	SSW
	3B-2	0.008*		11:00	
	3B-3	0.015		11:00	
07/27/05	3B-1	0.061	0.013*	8:30 <sup>2</sup>	WSW
	3B-2	0.043*		8:30 <sup>2</sup>	
	3B-3	0.033		8:15 <sup>2</sup>	
07/28/05	3B-1	0.019	0.006*	11:15	Variable, NNE
	3B-2	0.007*		11:15	
	3B-3	0.014		10:30	
07/29/05	3B-1	0.027	0.011*	10:45	WSW
	3B-2	0.012*		10:45	
	3B-3	0.020		10:45	
Notification Level		0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this group of properties during July 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location at 15 Longfellow Avenue in Pittsfield.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>2</sup> Sampling period was shortened due to precipitation/threat of precipitation.

**TABLE 15**  
**AMBIENT AIR PARTICULATE MATTER DATA (GROUP 3A) - AUGUST 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date	Sampling Location	PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	Sampling Time	Predominant Wind Direction
08/08/05	3A-1	0.061*	0.015*	12:00	SSW
	3A-2 <sup>2</sup>	0.051*		11:30	
	3A-3	NA <sup>3</sup>		NA	
08/09/05	3A-1	0.014*	0.016*	11:30	SSW
	3A-2 <sup>2</sup>	0.037*		11:30	
	3A-3	NA <sup>3</sup>		NA	
Notification Level		0.120			

NA - Not Available

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location at 15 Longfellow Avenue in Pittsfield.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>1</sup> Additional excavation work was conducted on the 3A site for two days, and air sampling was conducted at both the 3B and 3A locations. This table presents the particulate air monitoring data from that sampling.

<sup>2</sup> The actual location of monitor 3A-2 for these two days of monitoring varied from the original site map and was at the mid-site location of the Group 3A properties.

<sup>3</sup> Monitoring locations 3A-3 and 3B-1 were combined for this two day event to one location at approximately the midpoint between the two and the data from the combined location are presented in the Group 3B table.

**TABLE 16**  
**AMBIENT AIR PARTICULATE MATTER DATA (GROUP 3B) - AUGUST 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Location	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Time	Wind Direction
08/02/05	3B-1	0.060	0.014*	10:45	WNW
	3B-2	0.011*		10:45	
	3B-3	0.027		10:30	
08/03/05	3B-1	0.057	0.024*	11:15	WNW
	3B-2	0.032*		11:15	
	3B-3	0.027		11:15	
08/04/05	3B-1	0.077	0.016*	10:30	Variable
	3B-2	0.034*		10:15	
	3B-3	0.033		10:30	
08/05/05	3B-1	0.009	0.031*	7:30 <sup>2</sup>	WNW
	3B-2	0.062*		10:15	
	3B-3	0.045		10:45	
08/08/05	3B-1	0.106	0.015*	11:15	SSW
	3B-2	0.026*		11:45	
	3B-3	0.051		11:15	
08/09/05	3B-1	0.077	0.016*	11:45	SSW
	3B-2	0.014*		11:30	
	3B-3	0.041		11:45	
08/10/05	3B-1	0.077	0.021*	11:15	Variable, SSW
	3B-2	0.038*		11:00	
	3B-3	0.035		11:30	
08/11/05	3B-1	0.066	0.018*	11:45	WNW
	3B-2	0.050*		12:00	
	3B-3	0.034		12:00	
08/12/05	3B-1	0.064	0.030*	10:30	Variable, SSW
	3B-2	0.015*		10:45	
	3B-3	0.032		10:45	
08/15/05	3B-1	0.024	0.012*	11:15	Variable
	3B-2	0.005*		11:15	
	3B-3	0.014		11:15	
08/16/05	3B-1	0.043	0.017*	11:30	Variable
	3B-2	0.021*		11:15	
	3B-3	0.047		11:15	
08/17/05	3B-1	0.036	0.017*	11:15	WNW
	3B-2	0.005*		11:00	
	3B-3	0.014		11:15	
08/18/05	3B-1	0.037	0.011*	11:15	Variable
	3B-2	0.006*		11:15	
	3B-3	0.011		11:30	
Notification Level		0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at this group of properties during August 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location at 15 Longfellow Avenue in Pittsfield.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>2</sup> Sampling period was shortened due to instrument malfunction (dead battery).

**TABLE 17  
 AMBIENT AIR PCB DATA (GROUPS 3C & 3D) - AUGUST 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Event	PCB 1	PCB 2	PCB 3	PCB 4	PCB 5	PCB 6
08/10 - 08/11/05 <sup>1</sup>	0.0056	0.0059	0.0044	0.0030	0.0031	0.0011
08/11 - 08/12/05 <sup>1</sup>	0.0024	0.0050	0.0048	0.0058	0.0055	0.0045
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

<sup>1</sup> These sampling events consisted of the pre-remediation baseline sampling conducted prior to the initiation of remediation activities.



**TABLE 18  
 AMBIENT AIR PCB DATA (GROUPS 3C & 3D) - SEPTEMBER 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Period	PCB 1	PCB 2	PCB 3	PCB 4	PCB 5
09/08 - 09/09/05	0.0071	0.0065	0.0074	0.0160	0.0089
09/27 - 09/28/05	ND (<0.0003) <sup>1</sup>	ND (<0.0003) <sup>1</sup>	0.0011	ND (<0.0003) <sup>1</sup>	0.0009
Notification Level	0.05	0.05	0.05	0.05	0.05

ND - Non-Detect

<sup>1</sup> PCBs were detected in the field blank.

**TABLE 19**  
**AMBIENT AIR PARTICULATE MATTER DATA (GROUPS 3C & 3D) - SEPTEMBER 2005<sup>1</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS**  
**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Date	Sampling Location	3C-1 (µg/m³)	3C-2A (µg/m³)	Time	Wind Direction
09/01/05	3D-1	0.062		10:30	WNW
	3D-2	0.008*		10:30	
	3C-2A		0.019	10:45	
09/02/05	3D-1	0.060		11:15	SSW, WSW
	3D-2	0.014*		11:45	
	3C-2A		0.017	11:15	
09/06/05	3D-1	0.068		10:30	Calm
	3D-2	0.021*		10:45	
	3C-2A		0.017	10:15	
09/07/05	3D-1	0.064		11:00	Variable
	3D-2	0.030*		11:00	
	3C-2A		0.090	11:00	
09/08/05	3D-1	0.087		11:30	WSW
	3D-2	0.040*		11:30	
	3C-2A		0.108	11:30	
09/09/05	3D-1	0.056		10:45	NNW
	3D-2	0.013*		11:00	
	3C-2A		0.072	11:00	
09/12/05	3D-1	0.064		10:45	WNW
	3D-2	0.057*		10:45	
	3C-2A		0.052	11:00	
09/27/05	3C-2A	0.006		11:00	WNW, NNW
	3C-1	0.005*		10:45	
	3D-1	0.010		11:15	
09/28/05	3C-2A	0.033		10:30	SSW, Variable
	3C-1	0.019*		10:30	
	3D-1	0.028		10:45	
09/30/05	3C-2A	0.010		10:30	NNW
	3C-1	0.004*		10:30	
	3D-1	0.020		10:45	
Notification Level		0.120			

<sup>1</sup> This table presents all ambient air particulate monitoring data collected at these groups of properties during September 2005. Such data were collected only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Floodplain Properties Area 3D remediation completed September 12, 2005.

Background monitoring location at 15 Longfellow Avenue in Pittsfield.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.